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PATENT  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Ronaldson et al.

Attorney Docket No.: UDL1P044C1

Application No.: 10/075,965

Examiner: Behrend, H.

Filed: February 13, 2002

Group: 3641

Title: MONITORING A SAMPLE CONTAINING A NEUTRON SOURCE Confirmation No.: 1141



CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on May 22, 2003.

Signed: \_\_\_\_\_

Laura M. Dean

RESPONSE TO RESTRICTION REQUIREMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

IN THE CLAIMS

Please add new claim 33.

RECEIVED  
MAY 30 2003  
GROUP 3600

33. (New) A method of monitoring a sample containing a neutron source having a neutron source mass, comprising:

analyzing signals from a plurality of neutron detectors;

determining a single incidence neutron count rate ( $R_1$ ), a double incidence neutron count rate ( $R_2$ ), and a triple incidence neutron count rate ( $R_3$ ) associated with the neutron source based upon the analyzing;

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18.00 OP

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